



**TROPICAL CYCLONE BULLETIN NO. 13**  
**Severe Tropical Storm NENENG (NESAT)**

Issued at 5:00 AM, 16 October 2022

Valid for broadcast until the next bulletin at 8:00 AM today

**“NENENG” MAKES LANDFALL OVER CALAYAN ISLAND, CAGAYAN AFTER INTENSIFYING INTO A SEVERE TROPICAL STORM**

<b>Location of Center (4:00 AM)</b>	
<p>The center of Severe Tropical Storm “NENENG” was estimated based on all available data including those from Aparri Doppler Weather Radar <b>in the vicinity of Calayan (Calayan Is.), Cagayan (19.4°N, 121.5°E)</b></p>	
<b>Intensity</b> Maximum sustained winds of <b>95 km/h</b> near the center, gustiness of up to <b>130 km/h</b> , and central pressure of <b>985 hPa</b>	
<b>Present Movement</b>	
<b>West northwestward at 20 km/h</b>	
<b>Extent of Tropical Cyclone Winds</b> <b>Strong to storm-force winds</b> extend outwards up to <b>550 km</b> from the center	

**TRACK AND INTENSITY FORECAST**

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
<b>12-Hour Forecast</b> 2:00 PM 16 October 2022	19.7	119.7	190 km West Northwest of Calayan, Cagayan	100	STS	W 20
<b>24-Hour Forecast</b> 2:00 AM 17 October 2022	19.8	118.0	370 km West of Calayan, Cagayan (Outside the PAR)	110	STS	W 15
<b>36-Hour Forecast</b> 2:00 PM 17 October 2022	19.5	116.7	500 km West of Calayan, Cagayan (Outside the PAR)	120	TY	WSW 10
<b>48-Hour Forecast</b> 2:00 AM 18 October 2022	18.9	115.3	560 km West of Laoag City, Ilocos Norte (Outside the PAR)	140	TY	WSW 15
<b>60-Hour Forecast</b> 2:00 PM 18 October 2022	18.1	114.0	690 km West of Laoag City, Ilocos Norte (Outside the PAR)	140	TY	WSW 15
<b>72-Hour Forecast</b> 2:00 AM 19 October 2022	17.3	112.7	825 km West of Northern Luzon (Outside the PAR)	130	TY	WSW 15
<b>96-Hour Forecast</b> 2:00 AM 20 October 2022	17.2	109.9	1,125 km West of Northern Luzon (Outside the PAR)	110	STS	W 10

Prepared by: **RPG**

Checked by: **JEMB**



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>3</b> Wind threat: <b>Storm-force winds</b>	<b>The southern portion of Batanes</b> (Basco, Mahatao, Uyugan, Ivana, Sabtang) and <b>Babuyan Islands</b>	-	-
	Warning lead time: <b>18 hours</b> Potential impacts of winds: <b>Moderate to significant threat to life and property</b>		
<b>2</b> Wind threat: <b>Gale-force winds</b>	<b>The rest of Batanes, the rest of Cagayan, Apayao, the northern portion of Abra</b> (Tineg, Lacub, Lagayan), and <b>Ilocos Norte</b>	-	-
	Warning lead time: <b>24 hours</b> Potential impacts of winds: <b>Minor to moderate threat to life and property</b>		
<b>1</b> Wind threat: <b>Strong winds</b>	<b>The northern and central portions of Isabela</b> (Santa Maria, San Pablo, Maconacon, Divilacan, Palanan, Ilagan City, Tumauni, Cabagan, Santo Tomas, Quezon, Delfin Albano, Mallig, Quirino, Gamu, Roxas, San Mariano, Benito Soliven, Naguilian, Burgos, Reina Mercedes, San Manuel, Aurora, Luna, Cabatuan, San Mateo, Dinapigue, City of Cauayan), <b>Kalinga, the rest of Abra, Mountain Province, the northern portion of Ifugao</b> (Aguinaldo, Alfonso Lista, Mayoyao, Hungduan, Banaue), and <b>the northern and central portions of Ilocos Sur</b> (Sinait, Cabugao, San Juan, Magsingal, Santo Domingo, San Ildefonso, San Vicente, Santa Catalina, Bantay, City of Vigan, Santa, Caoayan, Narvacan, Nagbukel, Santa Maria, San Esteban, Santiago, Burgos, Banayoyo, Lidlidda, San Emilio, Quirino, Gregorio del Pilar, Galimuyod, City of Candon, Santa Lucia, Salcedo, Cervantes, Suyo, Sigay, Santa Cruz)	-	-
	Warning lead time: <b>36 hours</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		



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**HAZARDS AFFECTING LAND AREAS**

**Heavy Rainfall**

- *Until noon today:* Heavy to intense with at times torrential rains likely over Apayao, Ilocos Norte, and the northern portion of Cagayan including Babuyan Islands. Moderate to heavy with at times intense rains likely over Abra, Kalinga, the northern portion of Ilocos Sur, and the rest of Cagayan. Light to moderate with at times heavy rains possible over the Batanes, Mountain Province, rest of Ilocos Sur, and the northern portion of Isabela.
- *Noon through late afternoon today:* Moderate to heavy rains possible over Ilocos Norte. Light to moderate with at times heavy rains possible over Apayao, Abra, and Ilocos Sur.
- Under these conditions, **scattered to widespread flooding and rain-induced landslides are likely**, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall.
- The trough of NENENG and the convergence of its circulation with the southwesterly winds induced by the tropical storm may also bring occasional rains today over the western portions of Visayas and MIMAROPA and the northern and western portions of Mindanao. A Weather Advisory may be issued should the potential for flooding rains further increase.

**Severe Winds**

- During the passage of NENENG, winds may reach **storm-force strength** in Babuyan Islands and southern Batanes, and winds of up to **gale-force strength** may prevail within any of the areas where Wind Signal No. 2 is hoisted. **Strong winds (strong breeze to near gale strength)** will be experienced within any of the areas where Wind Signal No. 1 is currently in effect.
- The induced southwesterly winds may also bring **occasional gusts reaching strong breeze to near gale strength** today over most of Southern Luzon and Visayas and the eastern portions of Central Luzon, especially in coastal and mountainous/upland localities of these areas.

**HAZARDS AFFECTING COASTAL WATERS**

- Under the influence of the surge of northeasterly surface wind flow, a **marine gale warning** remains in effect over the seaboard of Northern Luzon. For more information, refer to Gale Warning #14 issued at 5:00 AM today.
- The aforementioned surge and the approaching tropical cyclone may also bring **moderate to rough seas** (2.0 to 3.5 m) over the eastern and western seaboard of Central Luzon and the eastern seaboard of Southern Luzon. These conditions may be risky for those using small seacrafts. Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.

**TRACK AND INTENSITY OUTLOOK**

- Reported landfall/s since previous bulletin: **Calayan (Calayan Is.), Cagayan (3:50 AM today)**
- On the forecast track, Severe Tropical Storm NENENG will continue moving westward or west northwestward over the Luzon Strait through tomorrow early morning. The storm is forecast to exit the Philippine Area of Responsibility (PAR) tonight or tomorrow early morning, when it is expected to begin turning generally west southwestward or southwestward over the West Philippine Sea.
- NENENG reached severe tropical storm category at 2:00 AM today. Further intensification into a typhoon is likely by tomorrow as it moves over the northern portion of the West Philippine Sea.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 8:00 AM today.